

**REMARKS**

Claims 4-7 and 14-20 are pending. By this amendment, claims 4, 6, 7, 14 and 17 have been amended, claims 1-3 and 8-13 have been cancelled without prejudice to or disclaimer of the subject matter contained therein, and it is respectfully requested that claims 4-7 and 14-20 be considered.

In view of the above amendments and the following Remarks, Applicants respectfully request reconsideration and timely withdrawal of the pending objections and rejections for the reasons discussed below.

***Drawing Objection***

In the Office Action, the drawings were objected to for being unclear at to how the delay timing works in the entire  $m$ -row  $\times$   $n$ -column matrix. Applicants respectfully submit that for an  $m \times n$  matrix, the memory devices in the same rows are subjected to the same delay. Thus, it is respectfully submitted that the original drawings sufficiently describe the delay timing function of the invention in an  $m \times n$  matrix.

Page 2 of the Office Action states that Figures 2 and 3 seem to demonstrate the propagation of data in the direction of columns, which is in conflict with the claim limitation of propagating in the direction of rows. Applicants respectfully submit that Figures 2 and 3 demonstrate the propagation of data in the direction of rows and not columns, and thus, is consistent with the claim limitation.

Accordingly, Applicants respectfully request withdrawal of the drawing objection.

***Title Objection***

In the Office Action, the title of the invention was objected to as not being descriptive.

The title has been amended to read

**-- SHIFT REGISTER ADOPTING A DATA CONVERSION CONTROL SYSTEM  
AND DRIVING CIRCUIT OF AN LCD USING THE SAME --.**

Accordingly, Applicants respectfully request withdrawal of the objection to the title.

***Specification Objection***

In the Office Action, the specification was objected to because it is alleged that pages 6 and 7 of the specification do not clearly describe how the delay timing arrangement will be applied to a full  $m \times n$  matrix. As discussed above, Applicants respectfully submit that for an  $m \times n$  matrix, the memory devices in the same rows are subjected to the same delay.

Accordingly, Applicants respectfully request withdrawal of the objection to the specification.

***Rejections Under 35 U.S.C. §112, second paragraph***

Claim 1 stands rejected under 35 U.S.C. §112, second paragraph as being indefinite. Applicants respectfully submits that the rejection of claim 1 has been rendered moot by the cancellation of claim 1.

***Rejections Under 35 U.S.C. §102***

Claims 1-3 stand rejected under 35 U.S.C. §102(b) as being anticipated by U. S. Patent No. 3,708,690 issued to Paivinen. Applicants respectfully submit that the rejection of claims 1-3 has been rendered moot by the cancellation of claims 1-3. Accordingly, Applicants request withdrawal of the rejection to claims 1-3.

***Rejections Under 35 U.S.C. §103***

Claims 8-13 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Paivinen in view of U. S. Patent No. 5,245,326 issued to Zalph. Applicants respectfully submit that the rejection of claims 8-13 has been rendered moot by the cancellation of claims 8-13. Accordingly, Applicants request withdrawal of the rejection to claims 8-13.

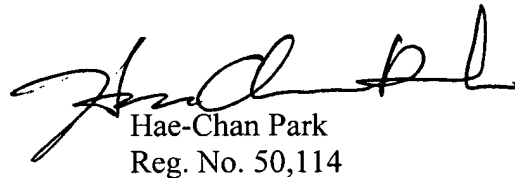
**CONCLUSION**

Applicants believe that a full and complete response has been made to the pending Office Action and respectfully submit that all of the stated objections and grounds for rejection have been overcome or rendered moot. Accordingly, Applicants respectfully submit that all pending claims are allowable and that the application is in condition for allowance.

Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact the Applicant's undersigned representative at the number below to expedite prosecution.

Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,



Hae-Chan Park  
Reg. No. 50,114

Date: February 26, 2004

Attachments:

1. Petition and Fee for Extension of Time
2. Check No. 158640 (\$110)

**McGuireWoods LLP**  
1750 Tysons Boulevard  
Suite 1800  
McLean, VA 22102-4215  
Tel: 703-712-5365  
Fax: 703-712-5280  
HCP:MMI/bjb